The following was presented at DMT'13
(June 2-5, 2013, Golden, CO).

The contents are provisional and will be
superseded by a paper in the
DMT'13 Proceedings.

See also earlier Proceedings (1997-2012)
http://ngmdb.usgs.gov/info/dmt/

Delaware Topographic Maps – Past, Present, and Future

Lillian Wang

Delaware Geological Survey

Dela-where?

Philadelphia
Pennsylvania
Maryland
PIEDMONT
COASTAL PLAIN
New Jersey
Baltimore
Fall Zone
Chesapeake Bay
Delaware
Delaware Bay
Washington DC
Atlantic Ocean

Delaware Topographic Maps – Past

- Earth Science Information Center (ESIC)
- Delaware Geological Survey distributed USGS topographic maps (paper)
- 1:24,000-scale USGS topo maps of DE were last updated and published in 1992 and 1993

Delaware Topographic Maps – Past

- By the year 2000, USGS topo maps and associated DLGs were out of date
- Delaware DataMIL released in 2002
  - Pilot project for USGS National Map
  - Delaware Spatial Data Framework layers and topographic maps
  - Won the ESRI Special Achievement in GIS Award (2002) and the John Wesley Powell Award (2003)

Delaware Topographic Maps – Present

- Delaware DataMIL
  - Topographic Maps of Delaware http://datamil.delaware.gov
- USGS
  - US Topo maps
    - http://nationalmap.gov/ustopo
      - roads, hydrography, contours, boundaries, GNIS names, NAIP imagery

Delaware Topographic Maps – Present

- ~~Delaware DataMIL~~

  ~~Topographic Maps of Delaware http://datamil.delaware.gov~~

  not available after June 30, 2013

- USGS

  US Topo maps

  http://nationalmap.gov/ustopo

  roads, hydrography, contours, boundaries, GNIS names, NAIP imagery

Delaware Topographic Maps – Present

Elevation

US Topo contours – 10 ft (1998)

Delaware contours – 2 ft (2007)

Imagery

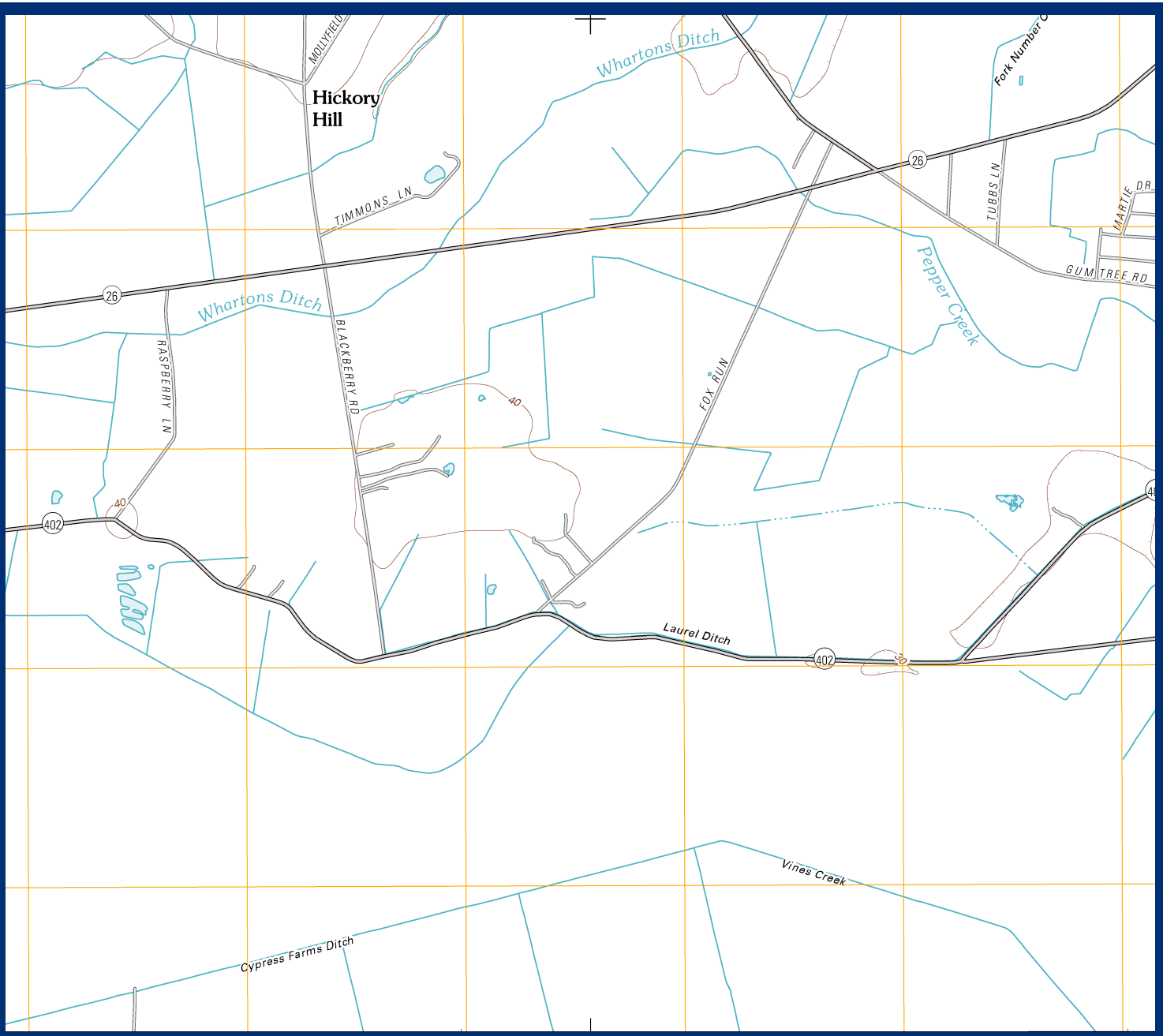
US Topo - NAIP imagery – 1 m (2009)

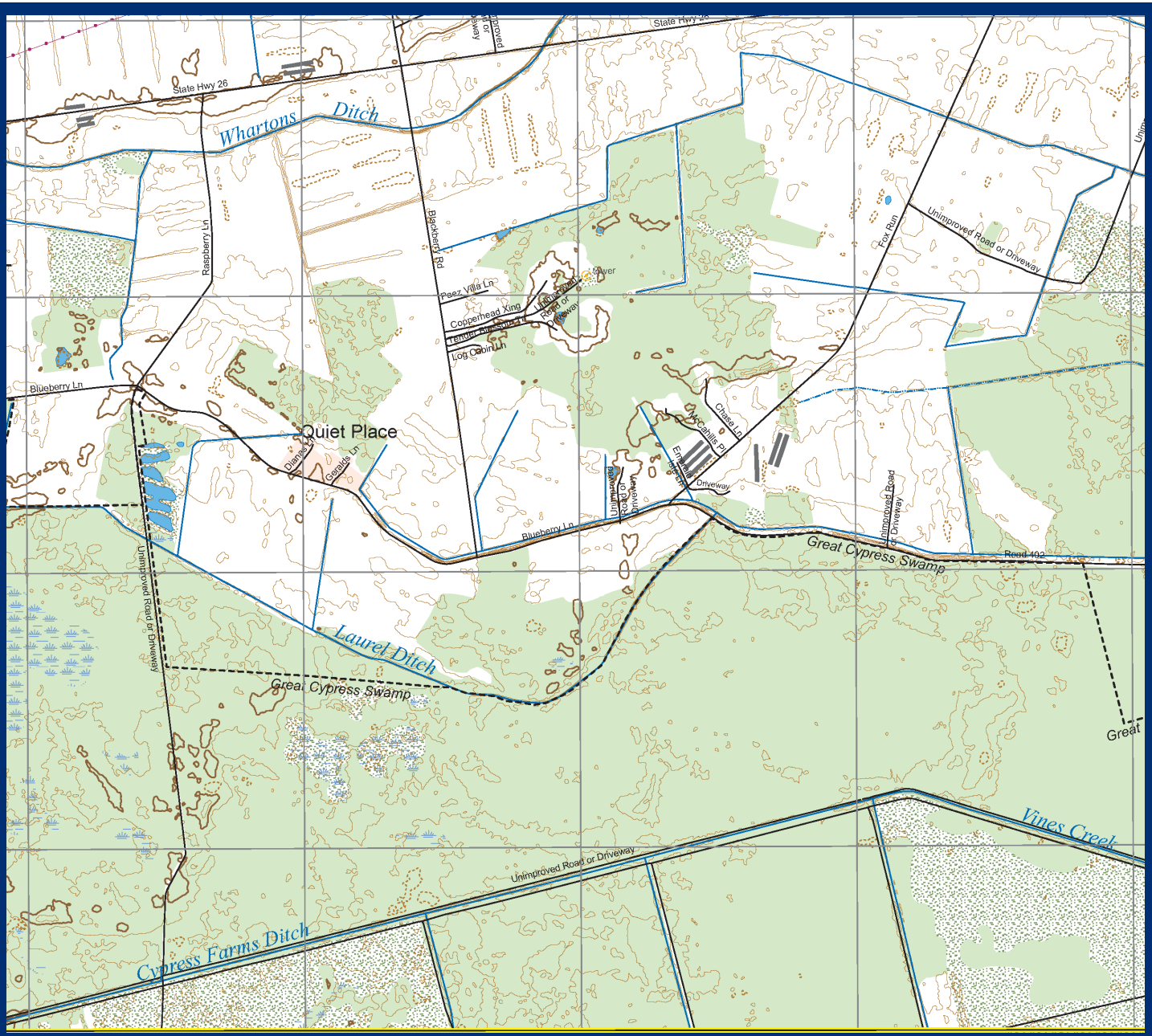
Delaware imagery – 0.25 m (2012)

Other topo map data layers

US Topo layers- roads, hydrography, boundaries, GNIS names (1972-2010)

Delaware layers - boundary monuments, schools, state land boundaries (2012)


Hickory Hill
Whartons Ditch
MOLLYFIELD
TIMMONS LN
26
TUBBS LN
MARTIE DR
GUM TREE RD
Pepper Creek
Whartons Ditch
RASPBERRY LN
BLACKBERRY RD
FOX RUN
40
402
Laurel Ditch
Vines Creek
Cypress Farms Ditch



State Hwy 26
Whartons Ditch
Raspberry Ln
Blackberry Rd
Peez Villa Ln
Copperhead Xing
Tender Blossom Ln
Log Cabin Ln
Unimproved Road or Driveway
Fox Run
Blueberry Ln
Quiet Place
Dianes Ln
Geralds Ln
Chase Ln
McCahills Pl
Driveway
Unimproved Road or Driveway
Blueberry Ln
Great Cypress Swamp
Road 402
Laurel Ditch
Great Cypress Swamp
Great
Vines Creek
Unimproved Road or Driveway
Cypress Farms Ditch

Delaware Topographic Maps – Future

- Current plan
  - Rebuild DataMIL as a web-based, topographic map creating and viewing application
  - Based on ArcGIS online technology
  - Web-enabled map services and download capabilities
  - Crowdsource editing capabilities with monitored edit approvals